

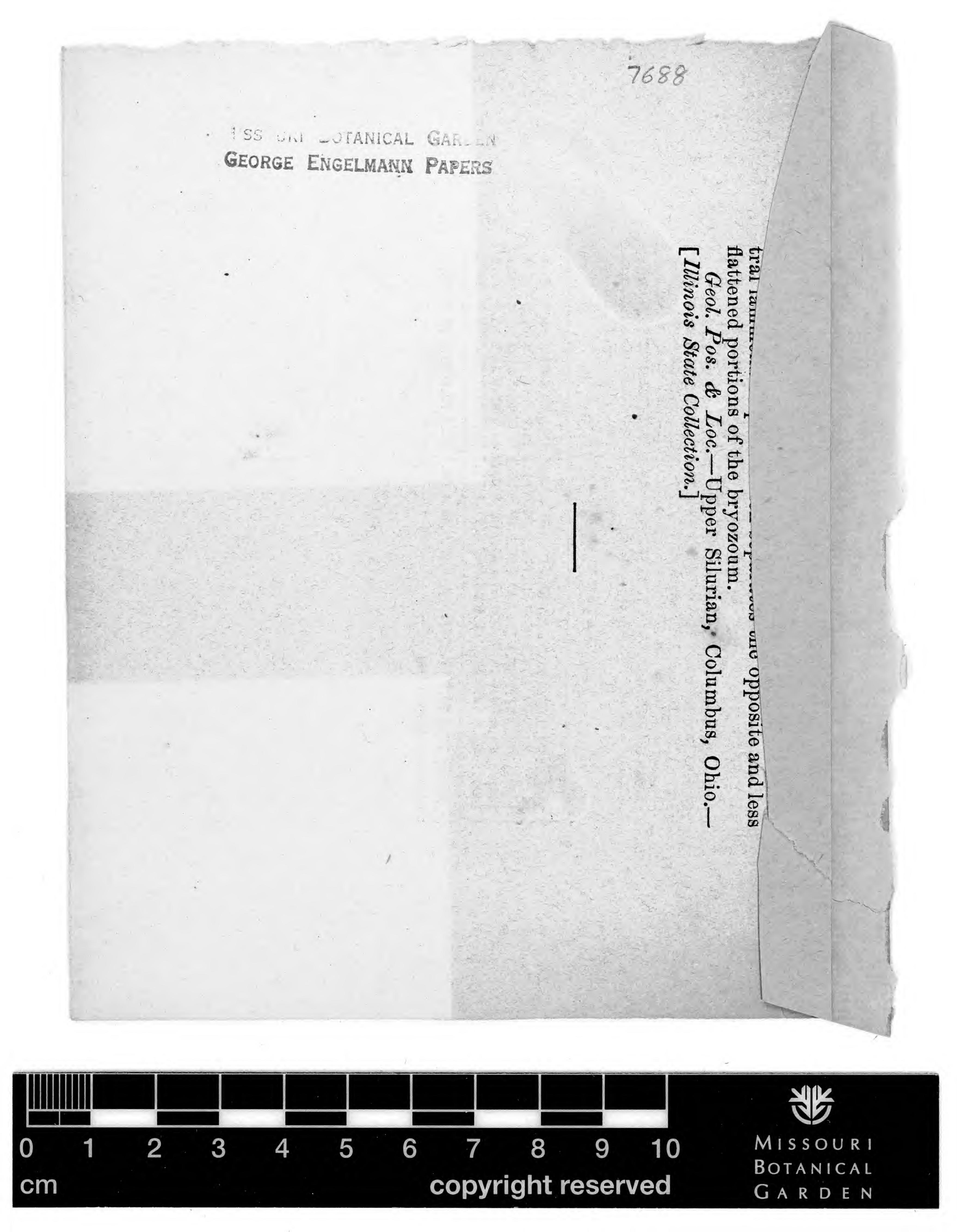
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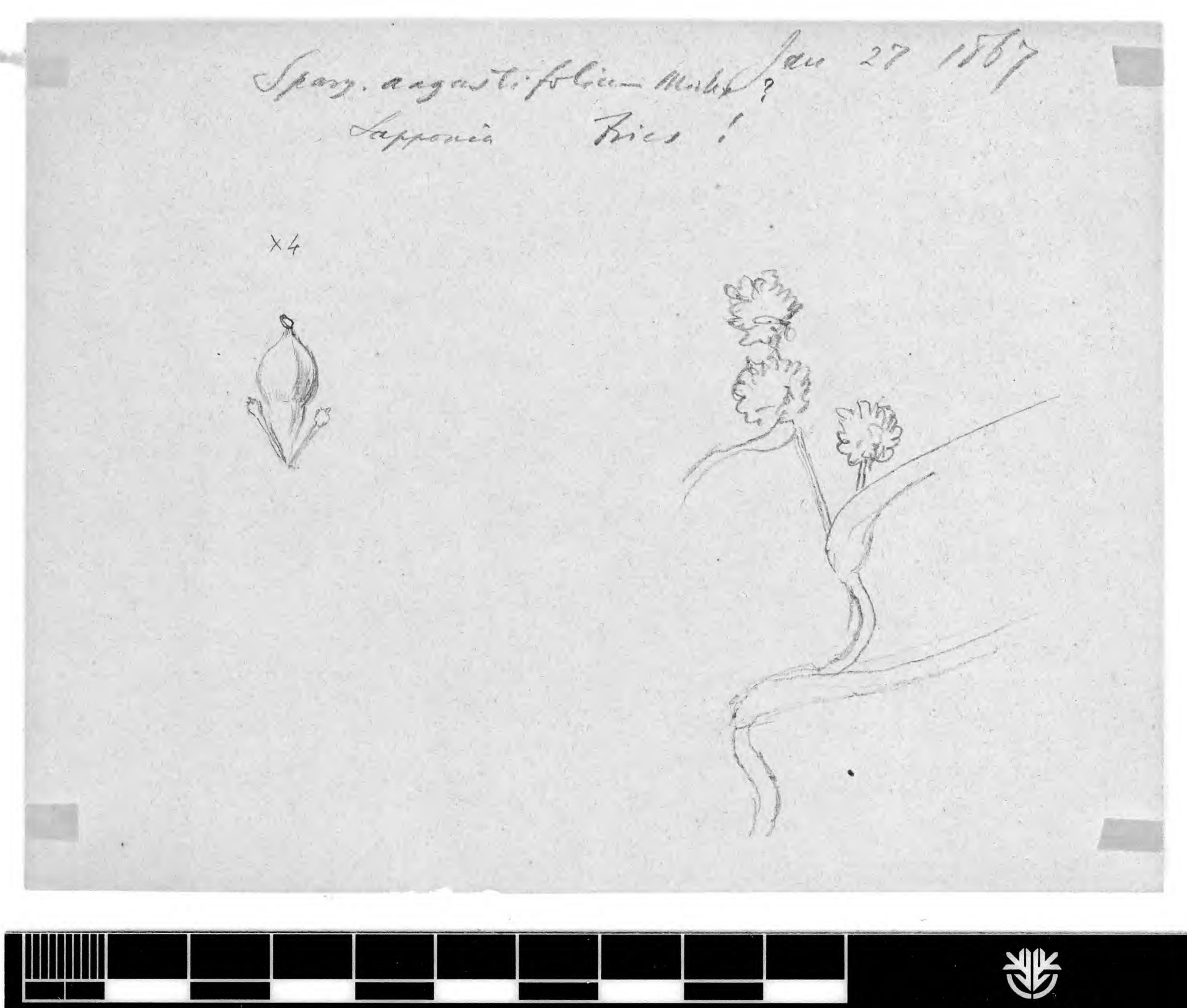
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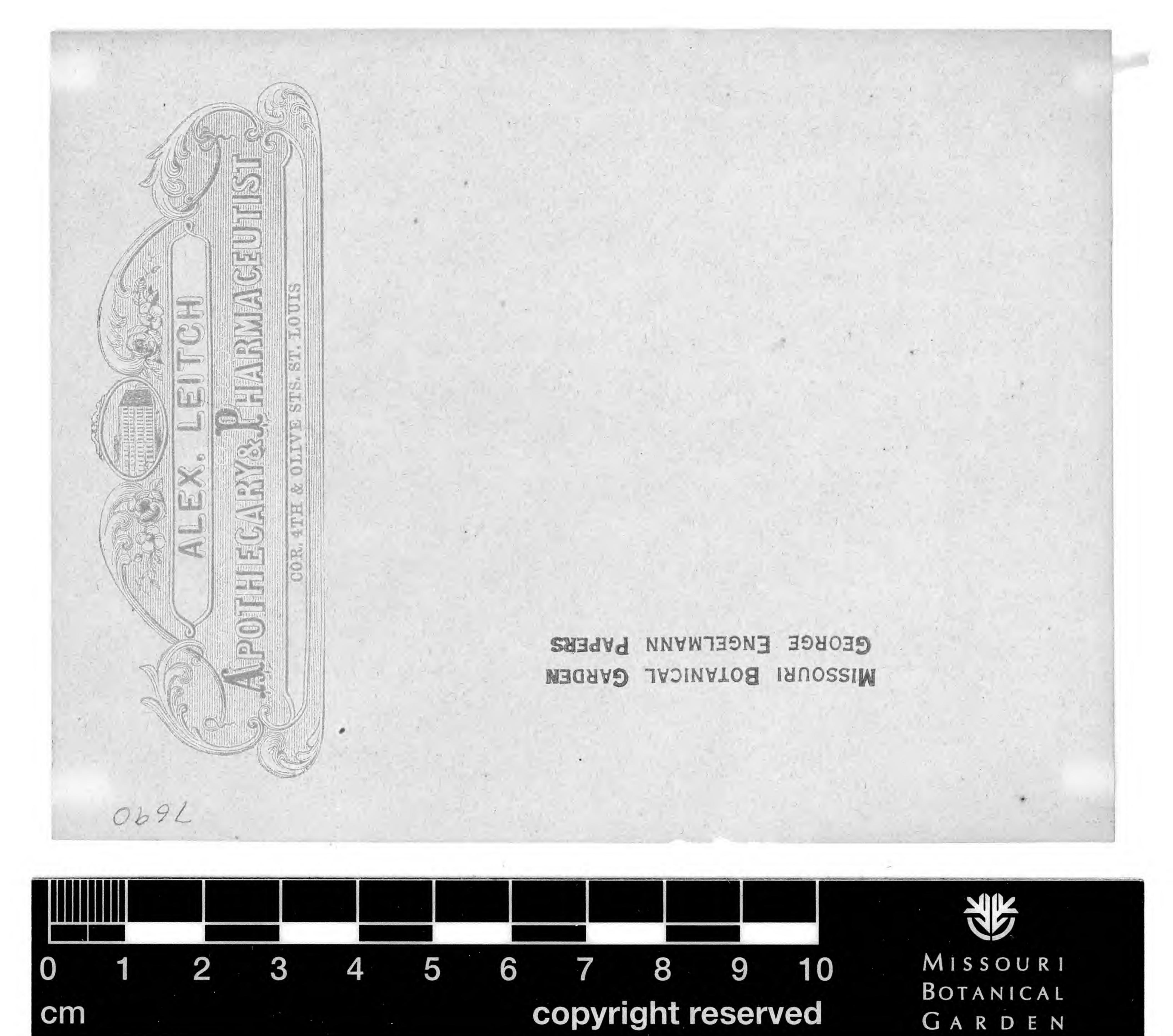
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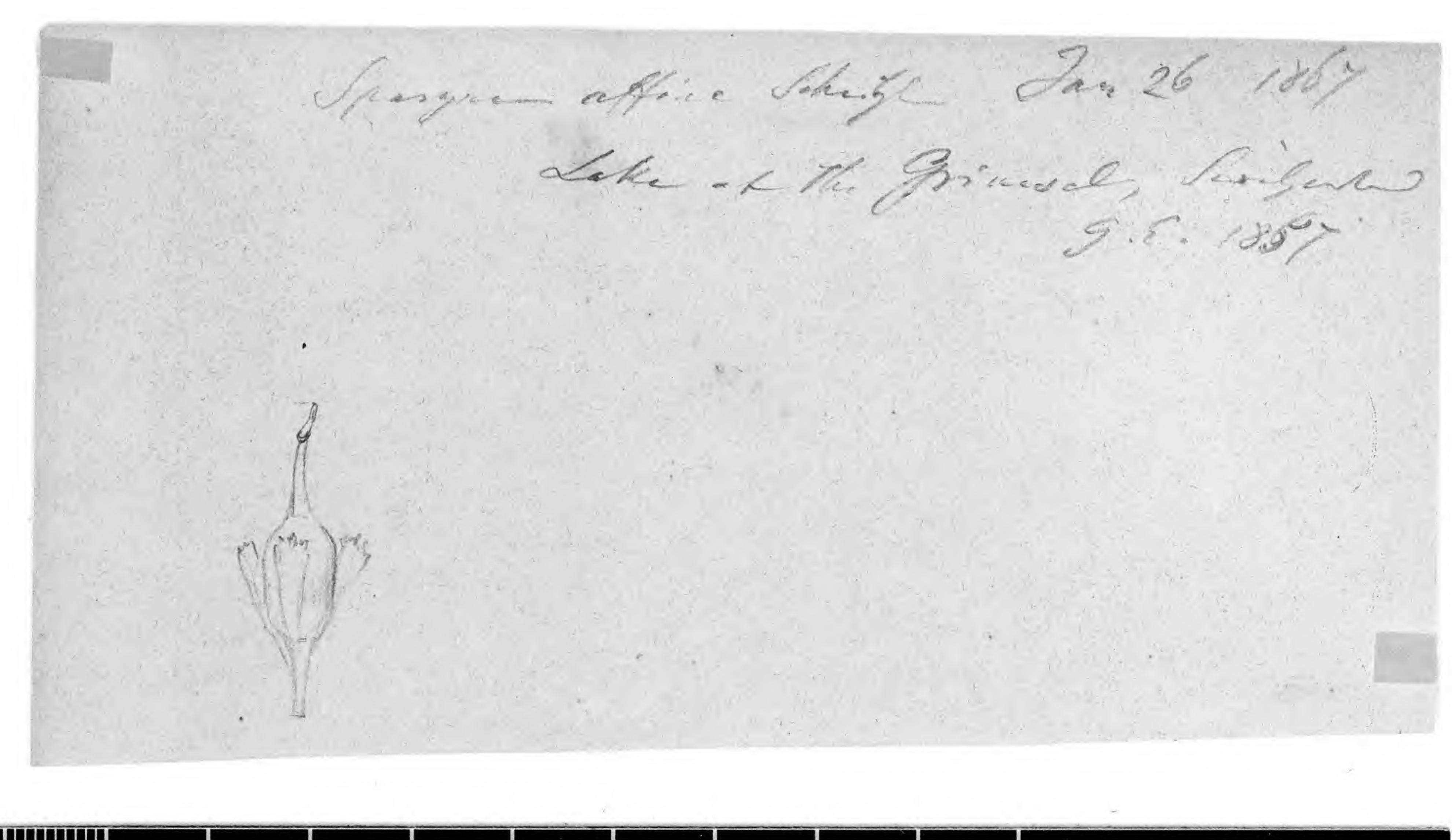
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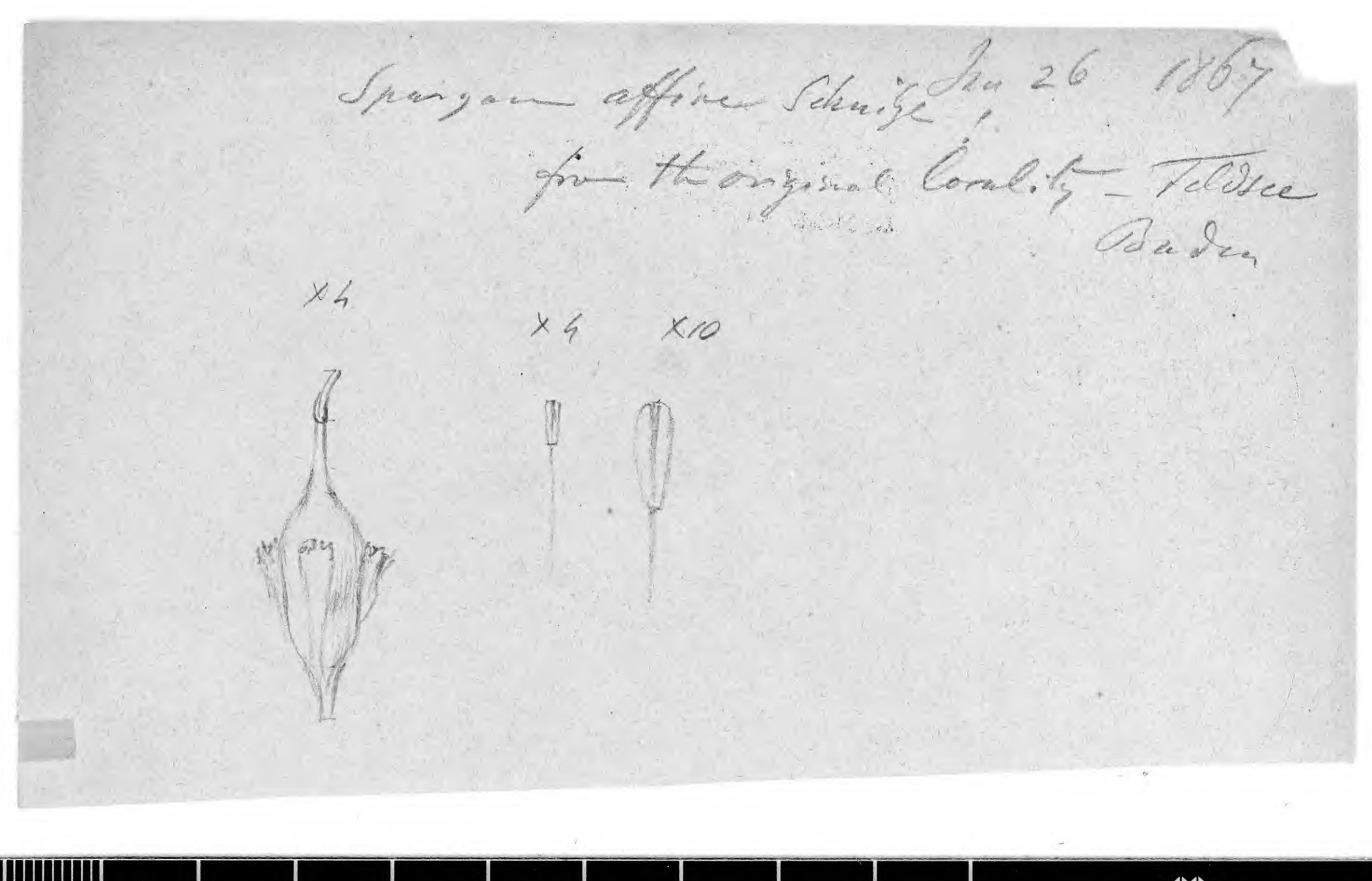












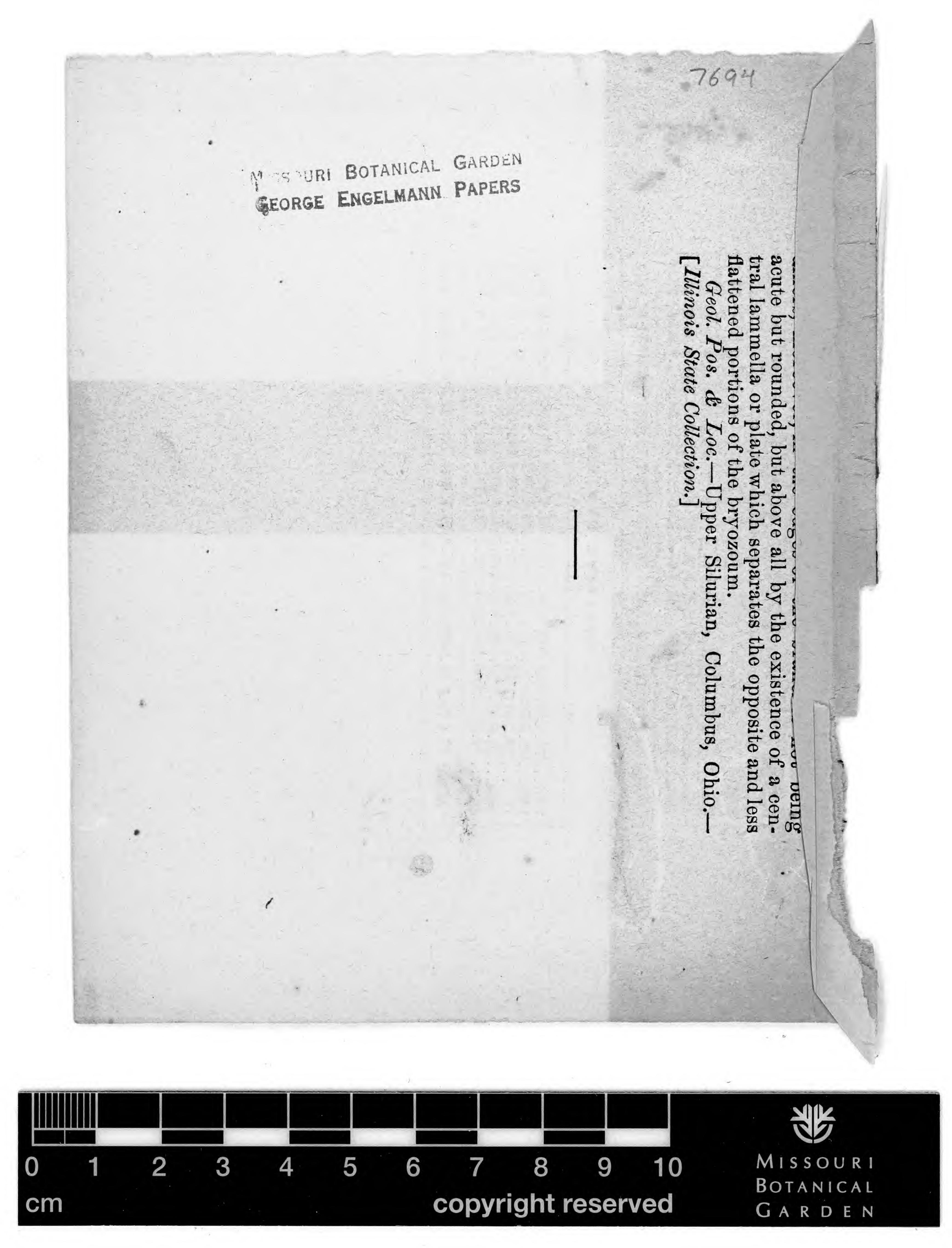




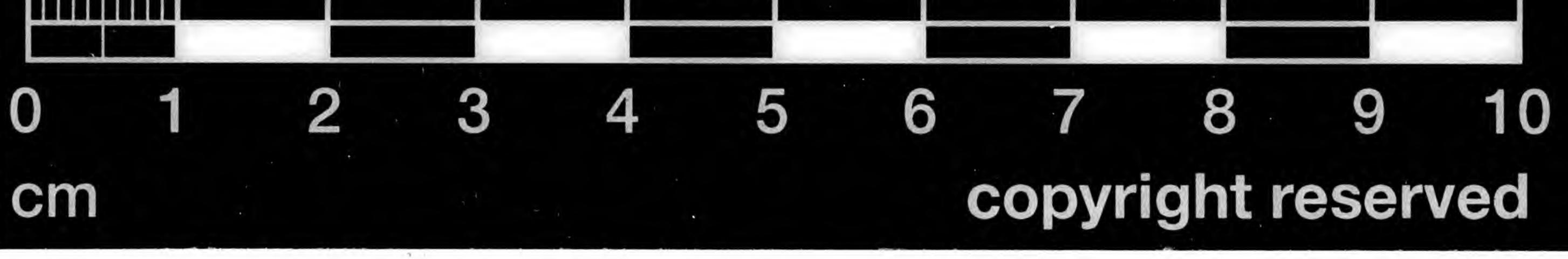


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cumstances prevented me from obtaining more than a crystals, which are now deposited in the collection of Smithsonian Institute; a few others are also in the hands members of the party. We were travelling at the time forced night marches with nearly worn out animals, seek to gain a spring of water in a distant range of mounta. This desert was then entirely unexplored. I have but lidoubt that more interesting materials are to be found at

The mountains of the former Territory of Utah promise a h yield to the mineralogist. We know already of gold and ver ores in the east, west and south part of that district; copper and lead ores in the south, and I have discovered a latter also in the centre of it; of specular iron ores and tive sulphur in the Rocky Mountains and near Little Salt ke; of rock salt in the mountains south-east of Utah Lake; native alum near Salt Lake; of various other salts in the serts; and of silicates, composing the granites, porphyries, rites, trachytes, and lavas, nearly over the whole area.

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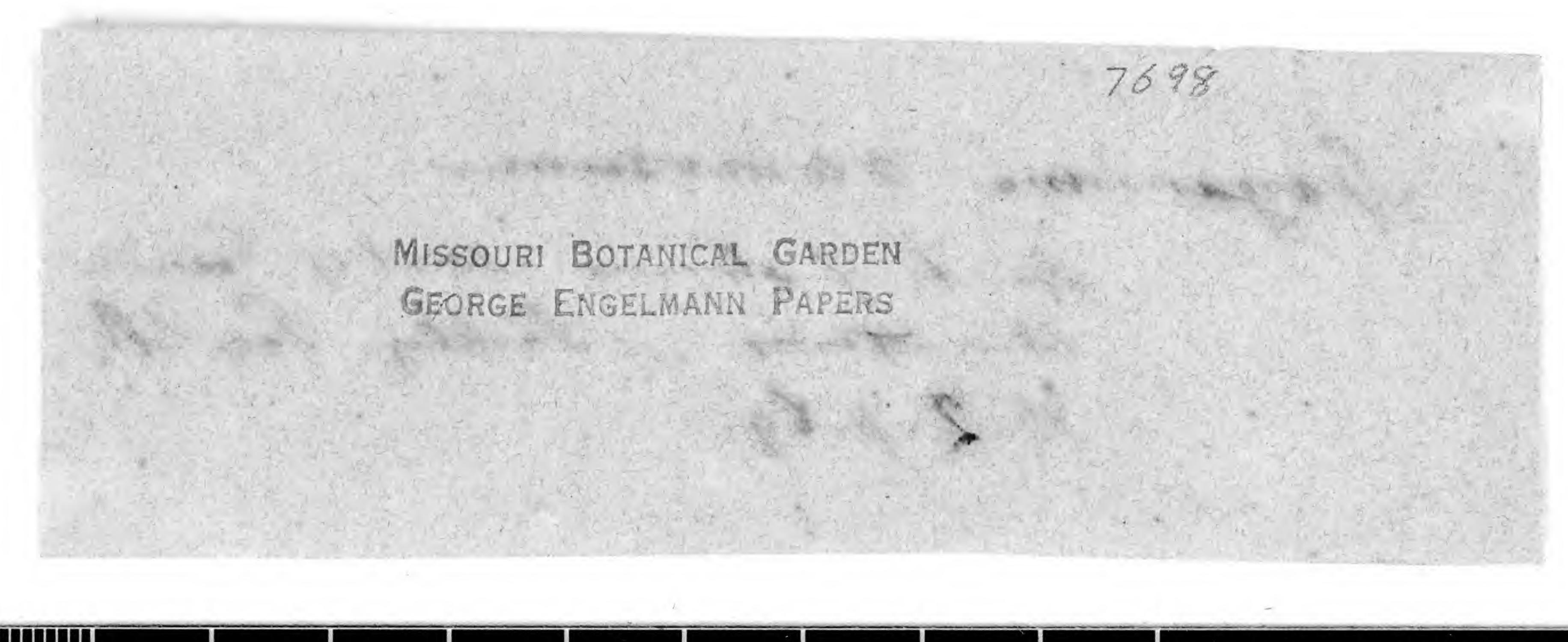
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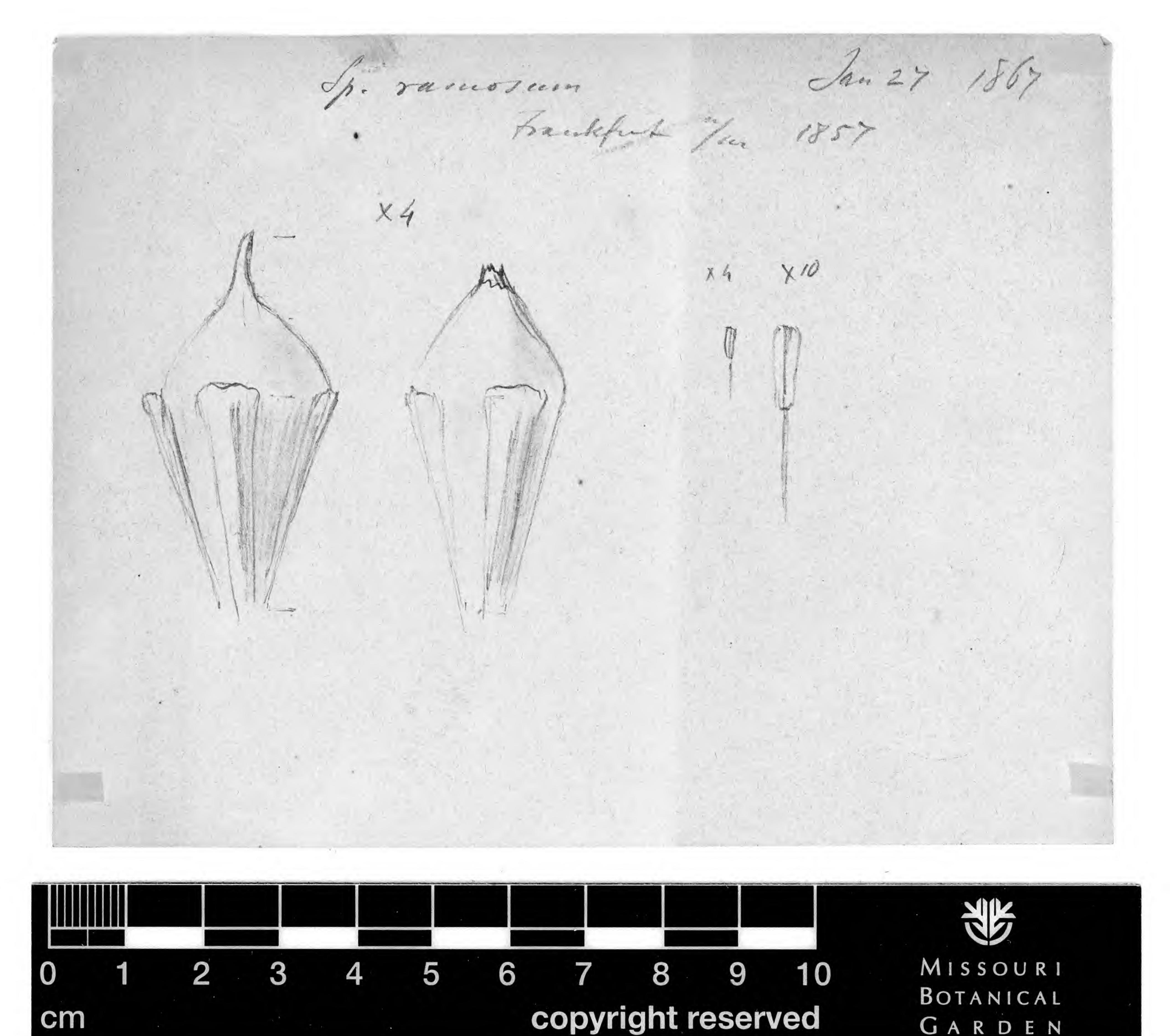
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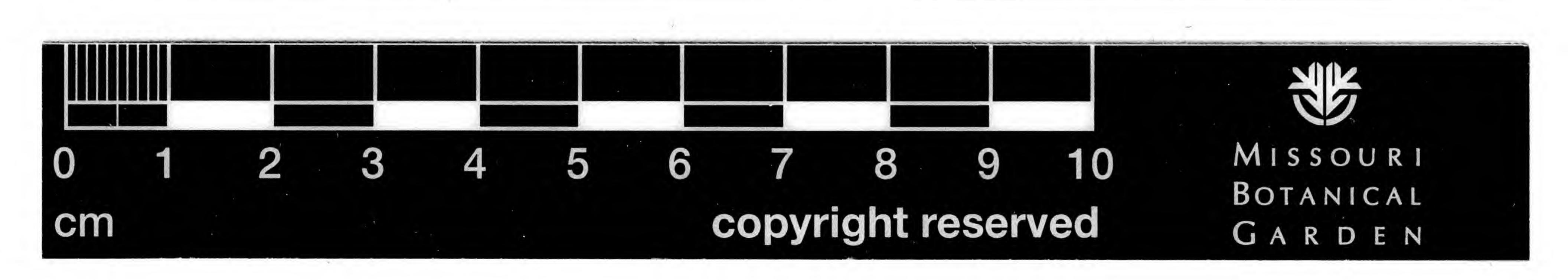




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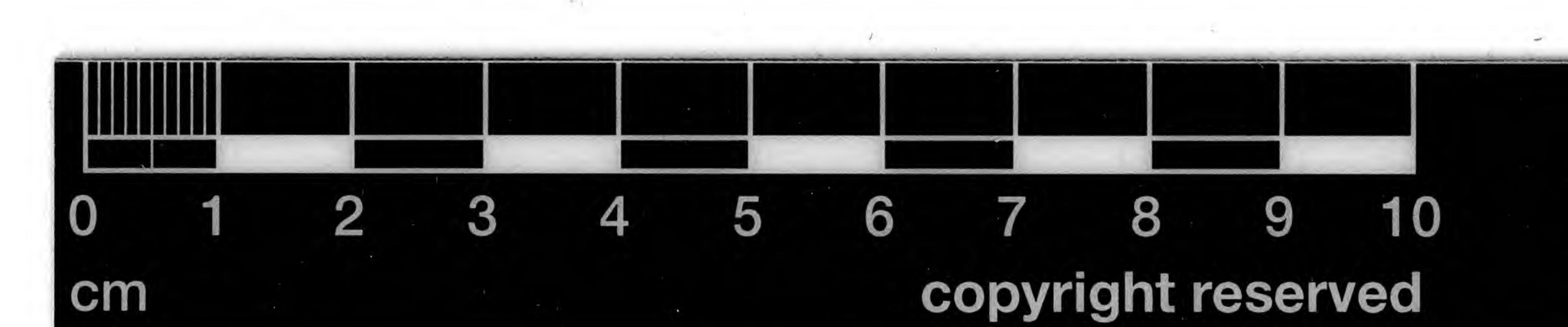
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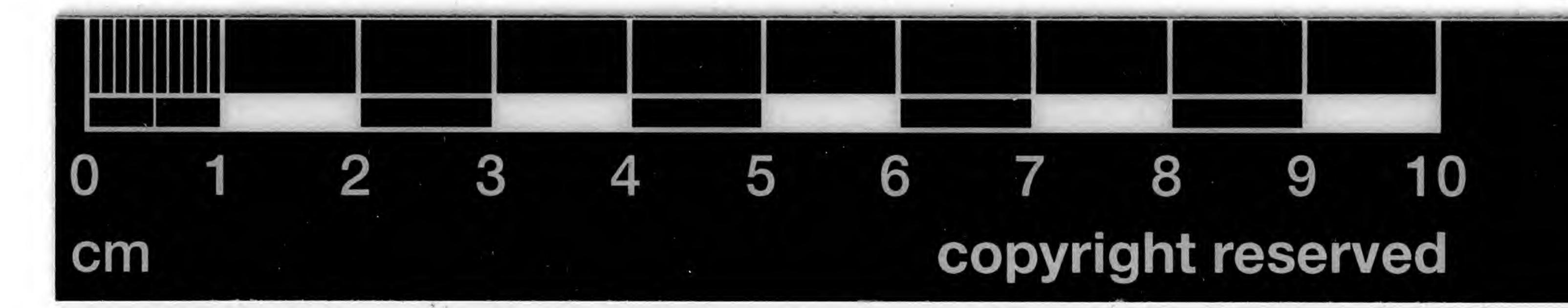
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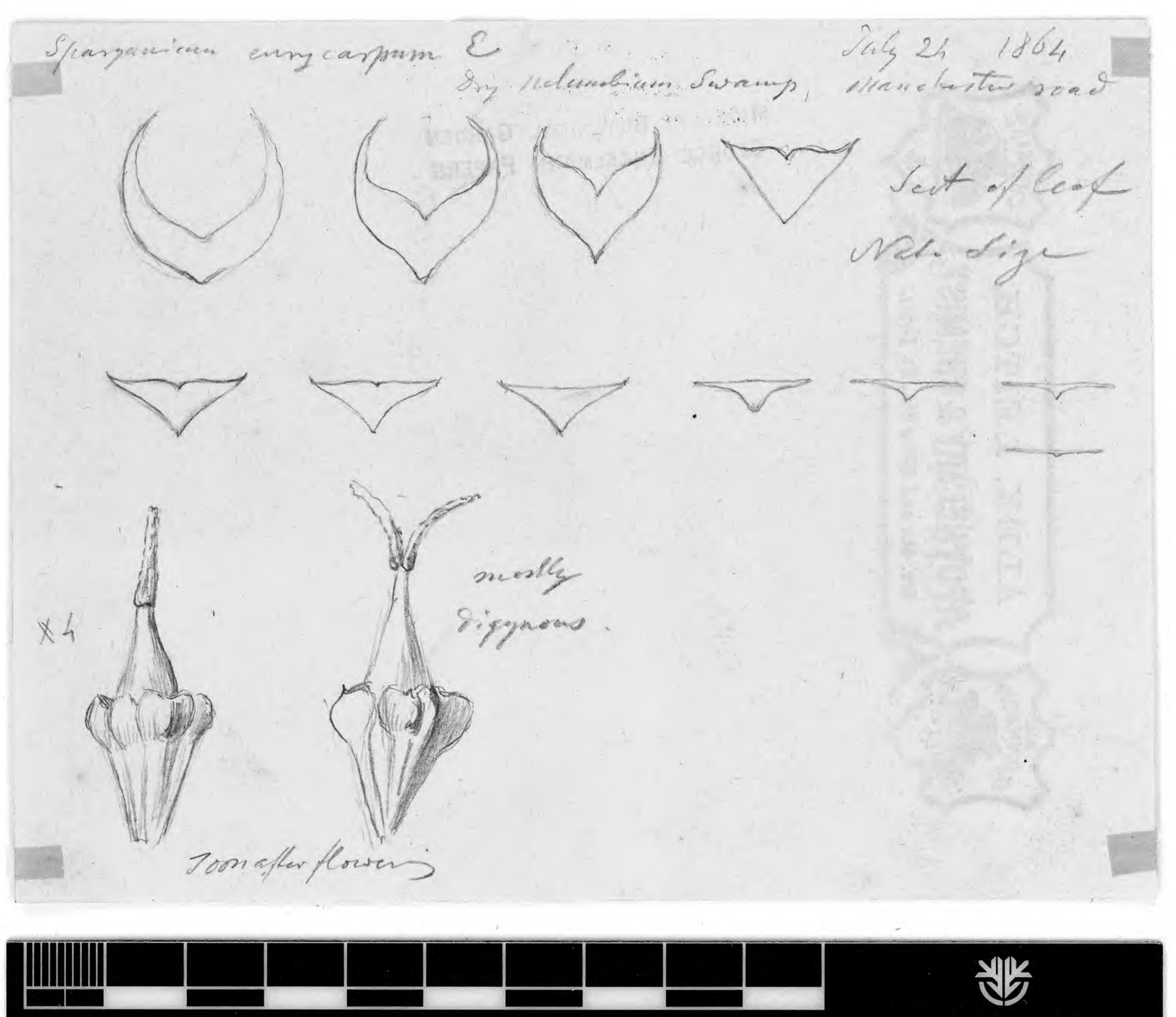
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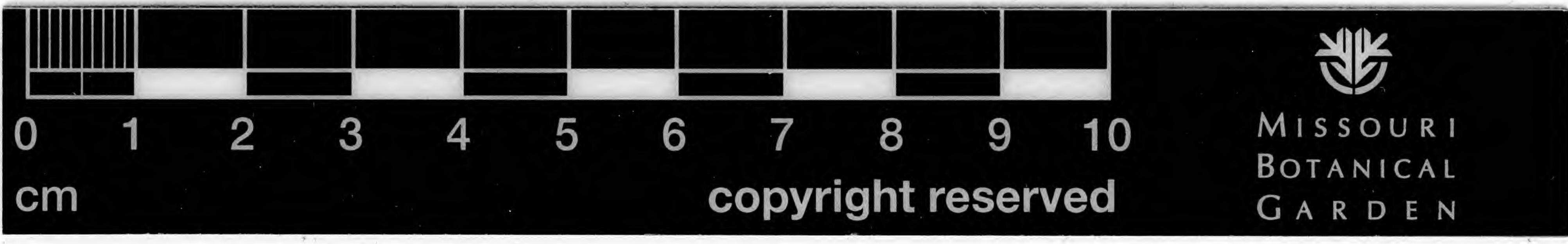


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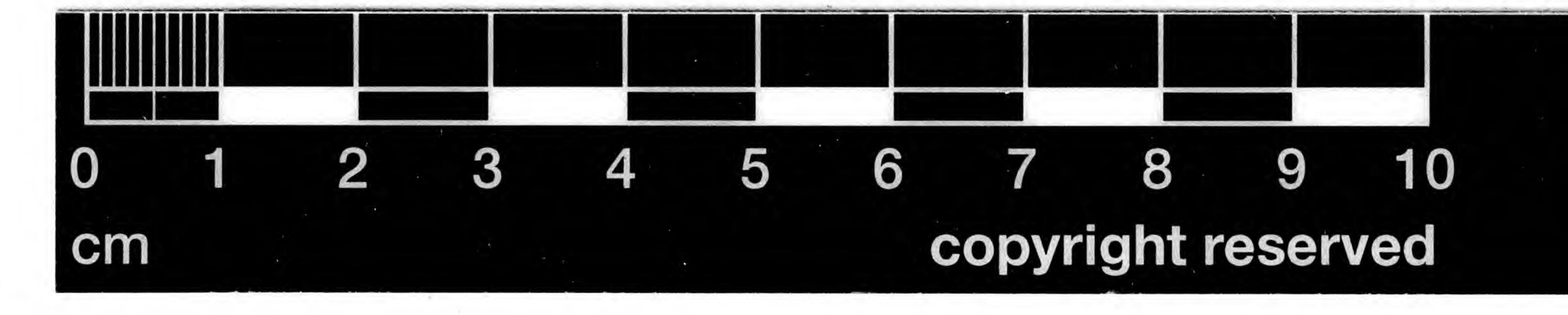
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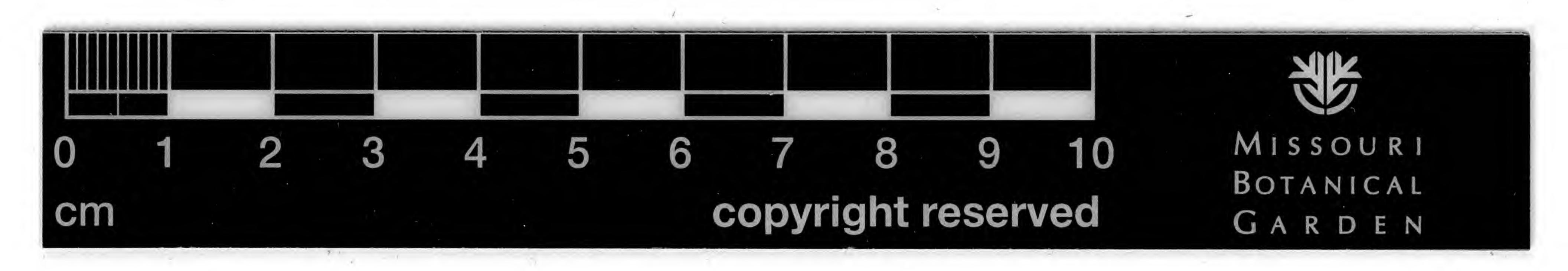
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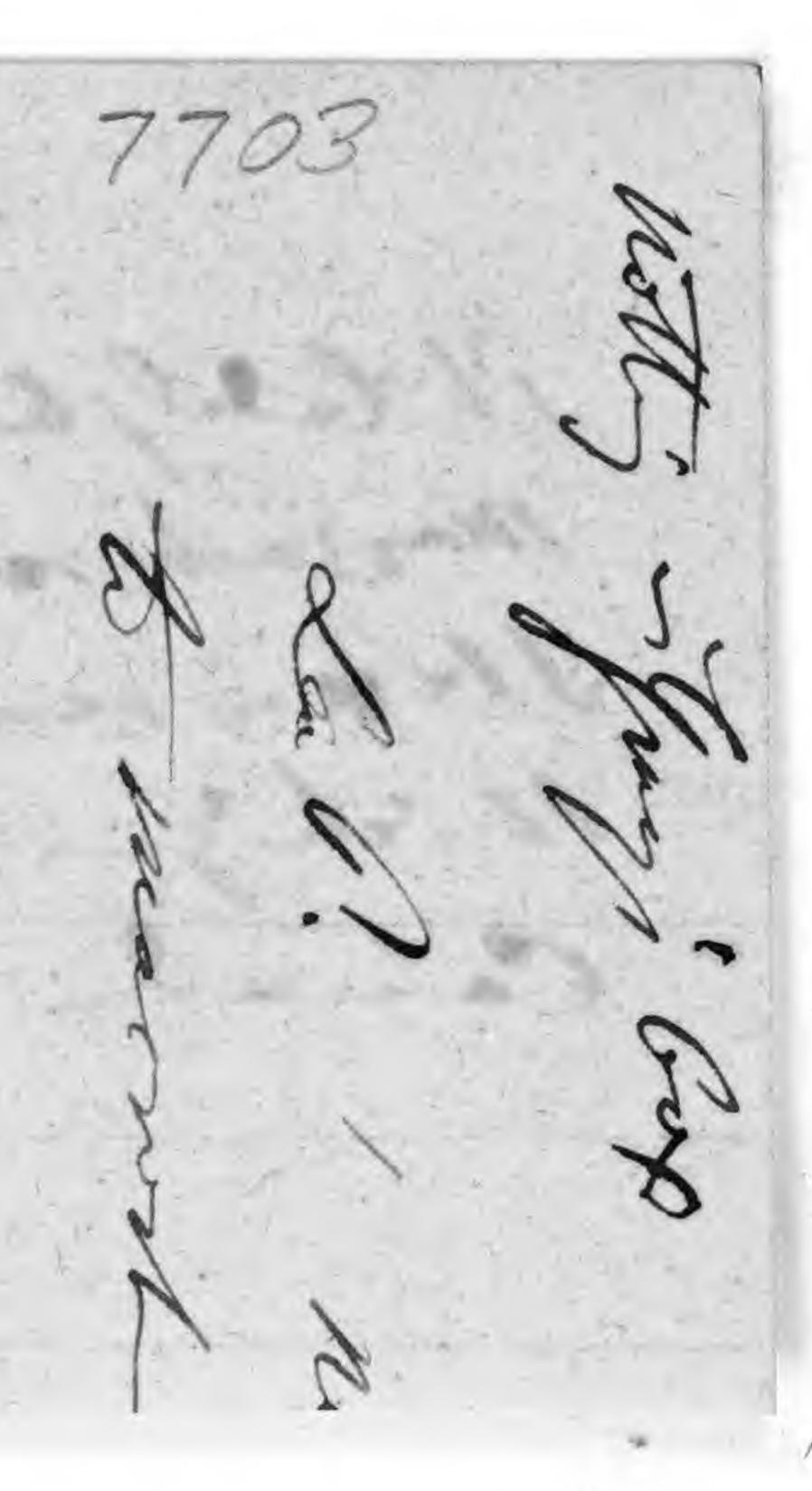


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Henestrules large, longer than broad, mostly quantizations are, sometimes rounded at angles and more or less irregular as size. On the medallion face the fenestrules are crowded by the growth of the cells, and are more or less oblong oval.

Retepora Hamittonensis, Prout.

Bryozoum a broad, funnel-shaped expansion, with longindinal rays frequently branching and rapidly diverging so udinal rays frequently branching and rapidly diverging so rerse; seldom branched, somerabranching from dissepiments, much diminished in size.

se, small and sharply defined; tor curved lines; sometimes expansion, raflabelliform MISSOURI BOTANICAL copyright reserved cm GARDEN

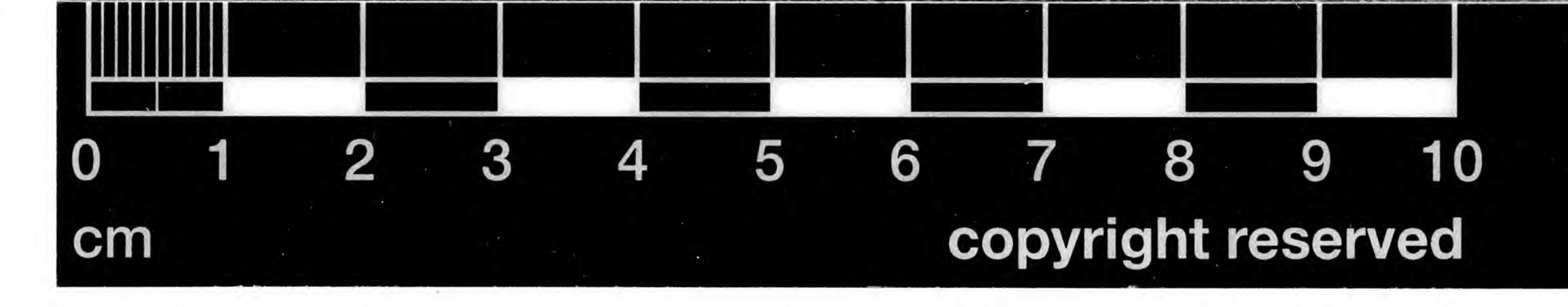
found on the same slab the Hamilton Group.

fan-like expansion, with distinctly visible to the

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diating from a central axis.

Longitudinal rays small, sharply defined; straight, rigid and wire-like upon the reverse; seldom branched, sometimes anastomosing; mostly branching from dissepiments, by which the fenestrules are much diminished in size.

Dissepiments, on the reverse, small and sharply defined; mostly opposite, in straight or curved lines; sometimes alternate.

Fenestrules large, longer than broad, mostly quadrangular, sometimes rounded at angles and more or less irregular in size. On the medallion face the fenestrules are crowded by the growth of the cells, and are more or less oblong oval.

Bryozoum a broad, funnel-shaped expansion, with longitudinal rays frequently branching and rapidly diverging so as to give an explanate or flat form to the funnel, which only shows the reverse or lower surface. Indiana imestone, MISSOURI BOTANICAL copyright reserved

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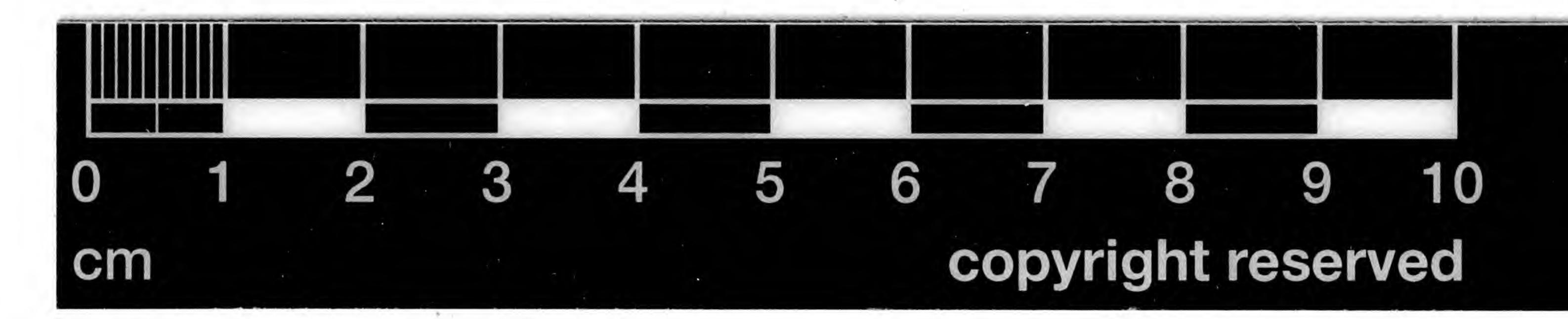
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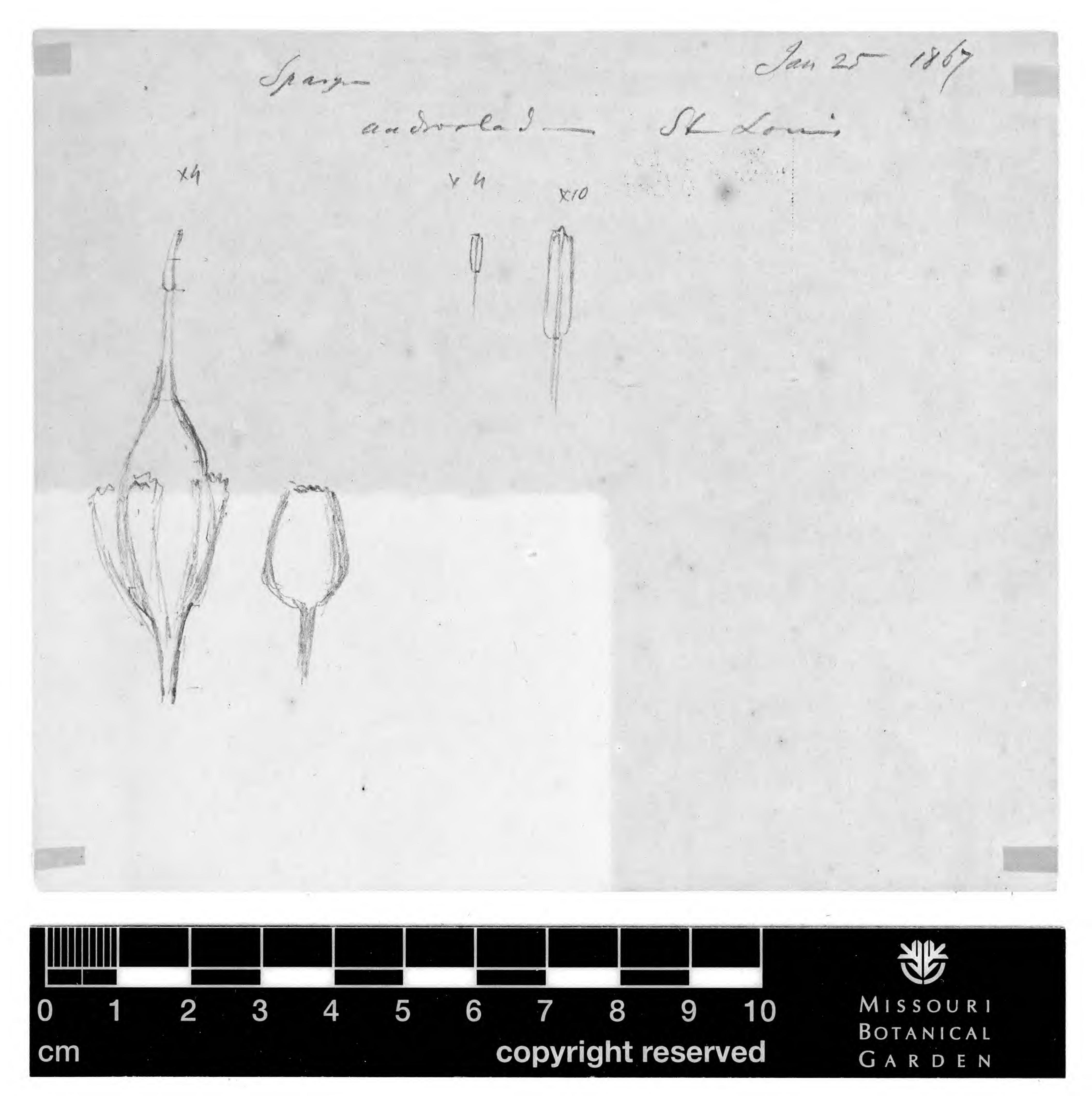
upon the two sides of a fine line or keel, usually times one, and sometimes three to each fenestrule.

beautiful and delicate species the the F. nodosa, and belong

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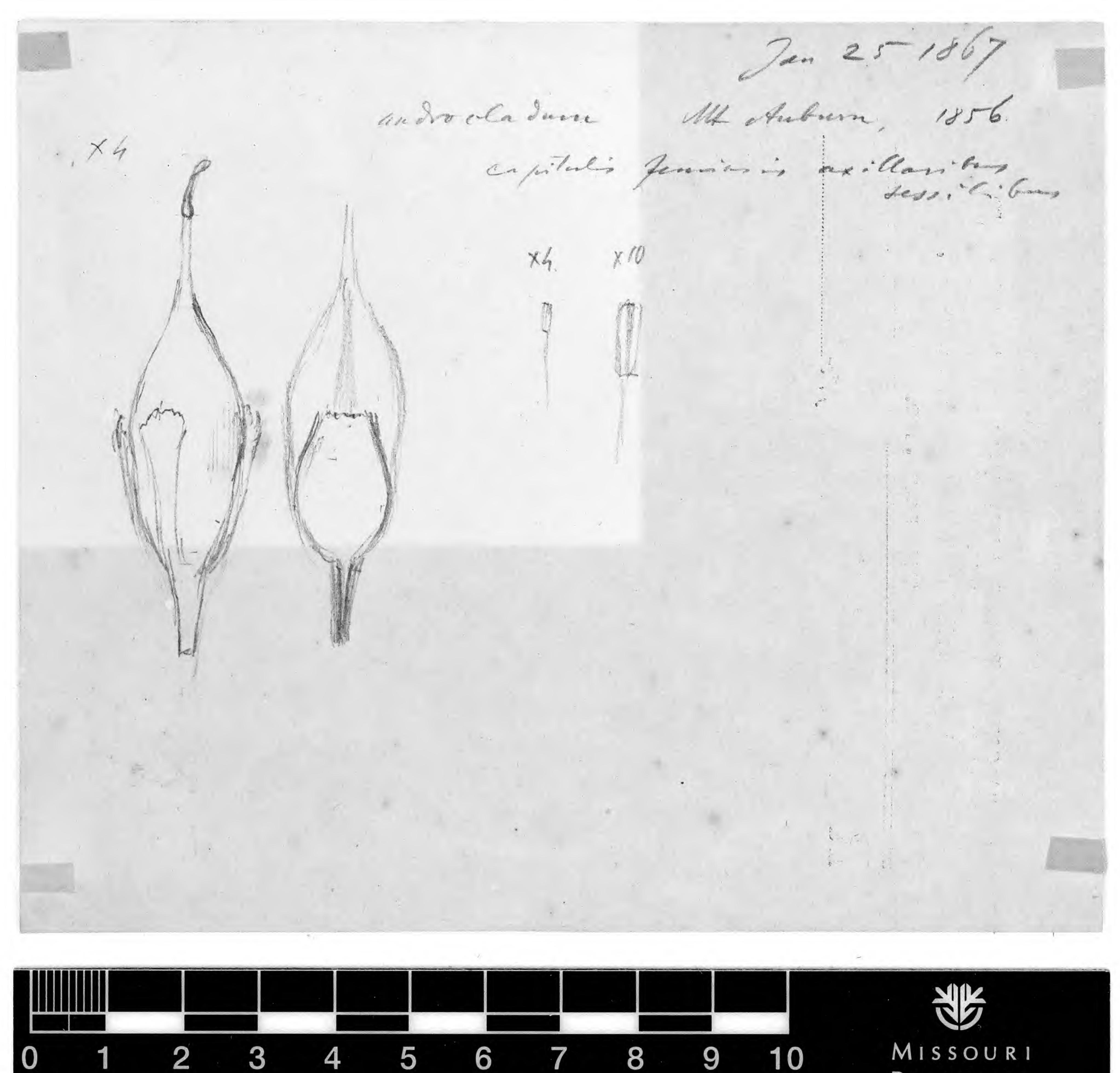


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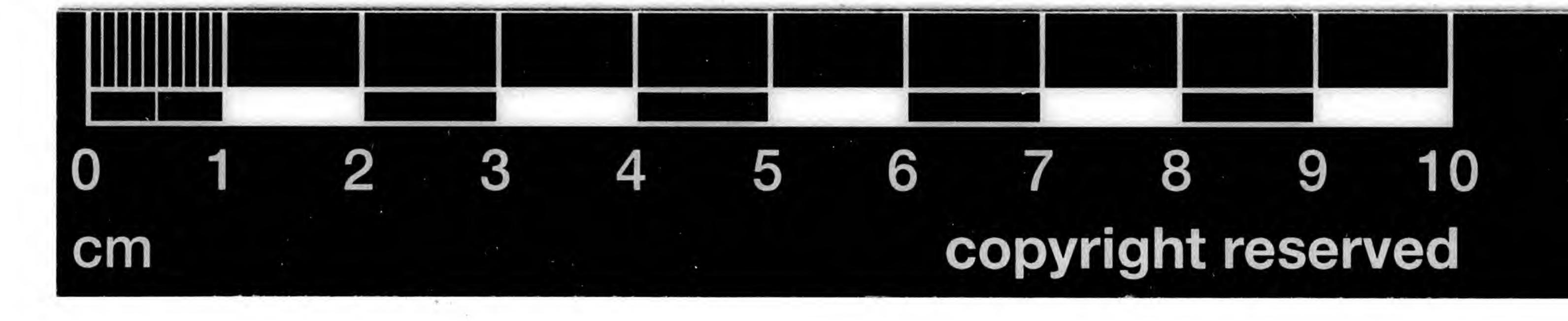


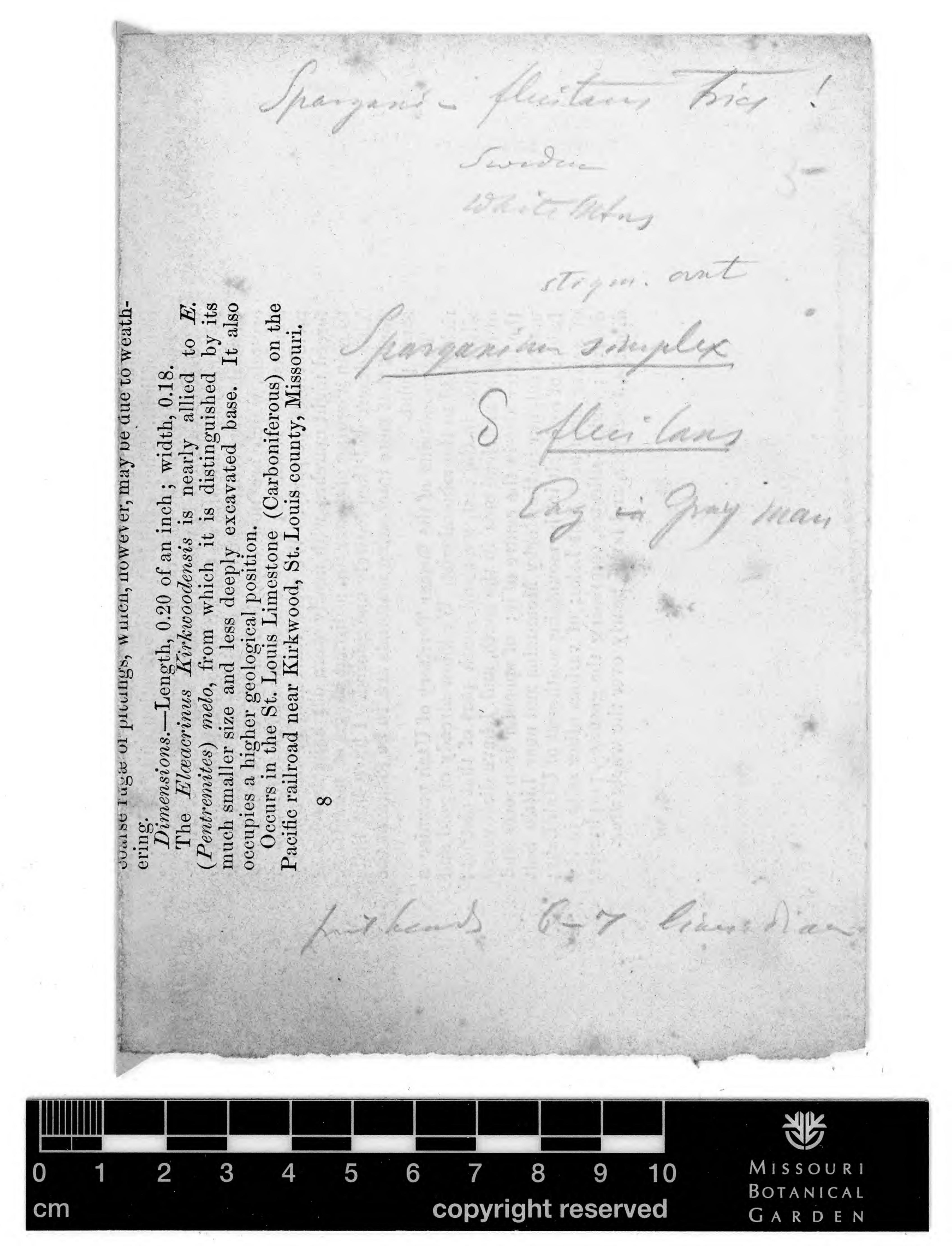
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Maria M.





crystals, which are now deposited in the collection of the Smithsonian Institute; a few others are also in the hands members of the party. We were travelling at the time to gain a spring of water in a distant range of mountain This desert was then entirely unexplored. I have but litt doubt that more interesting materials are to be found at the

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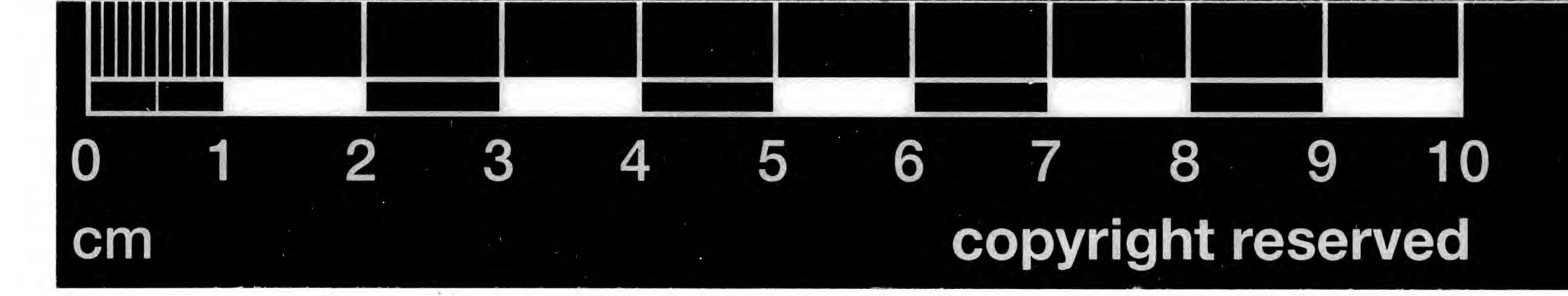
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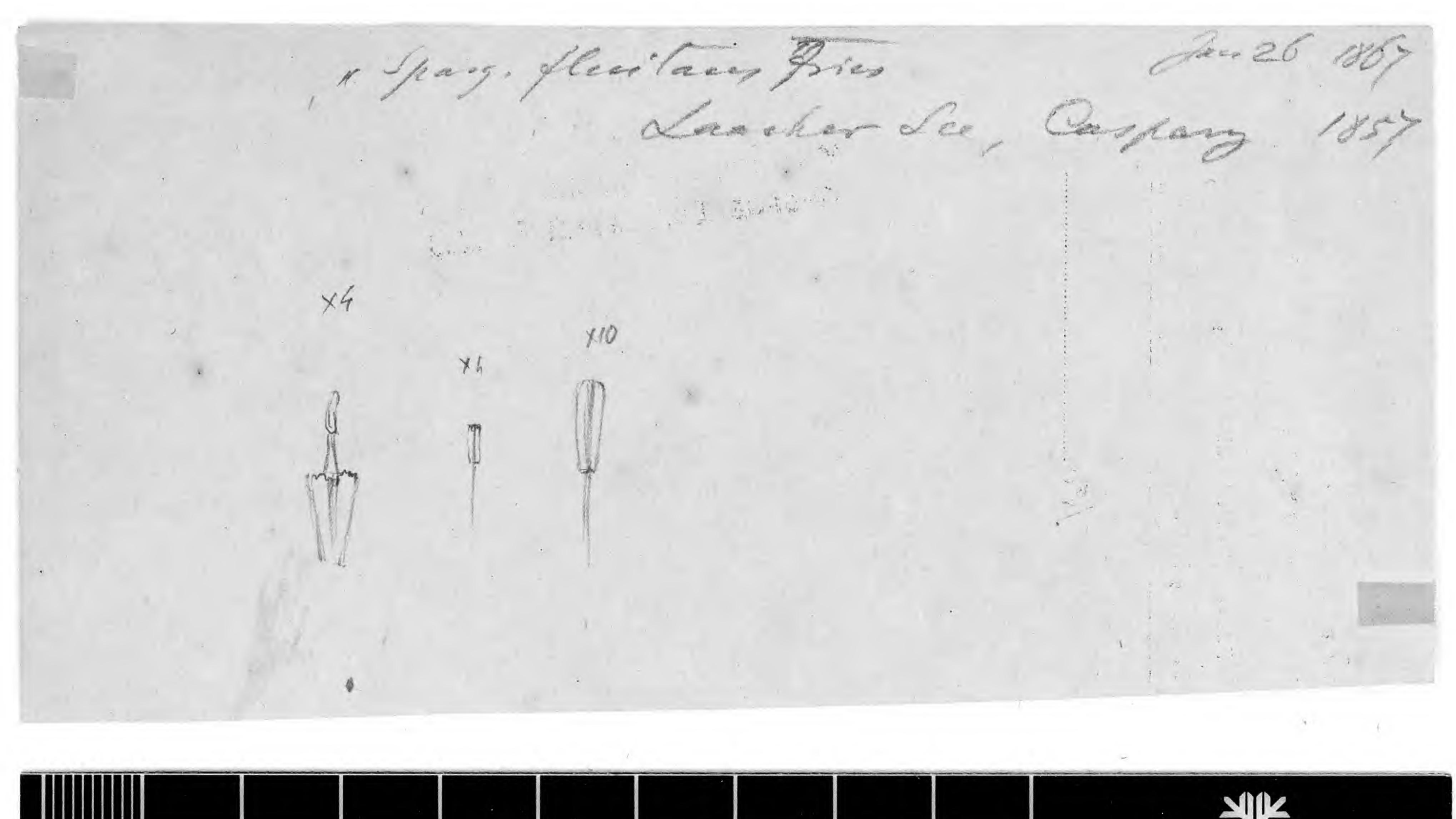
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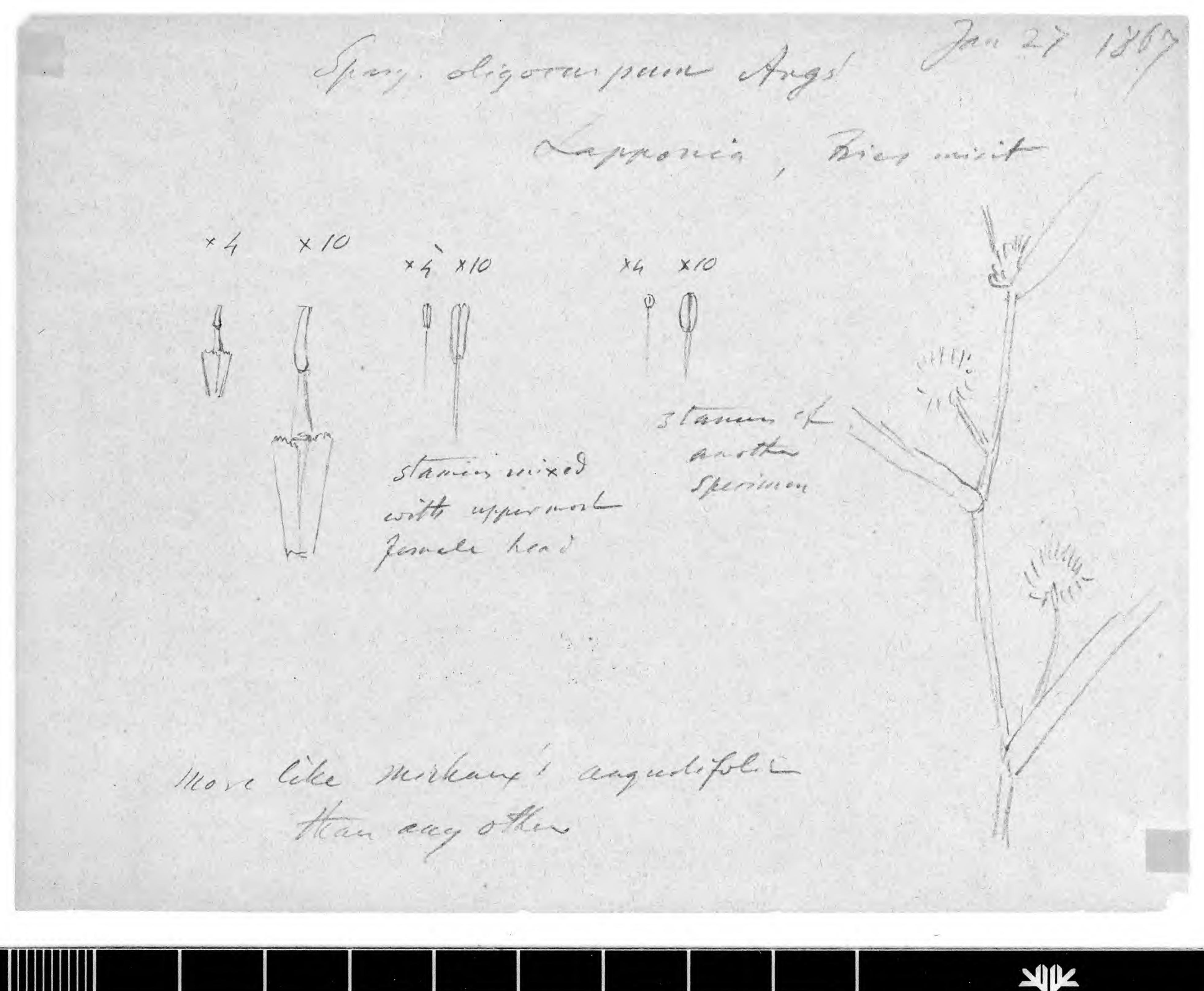
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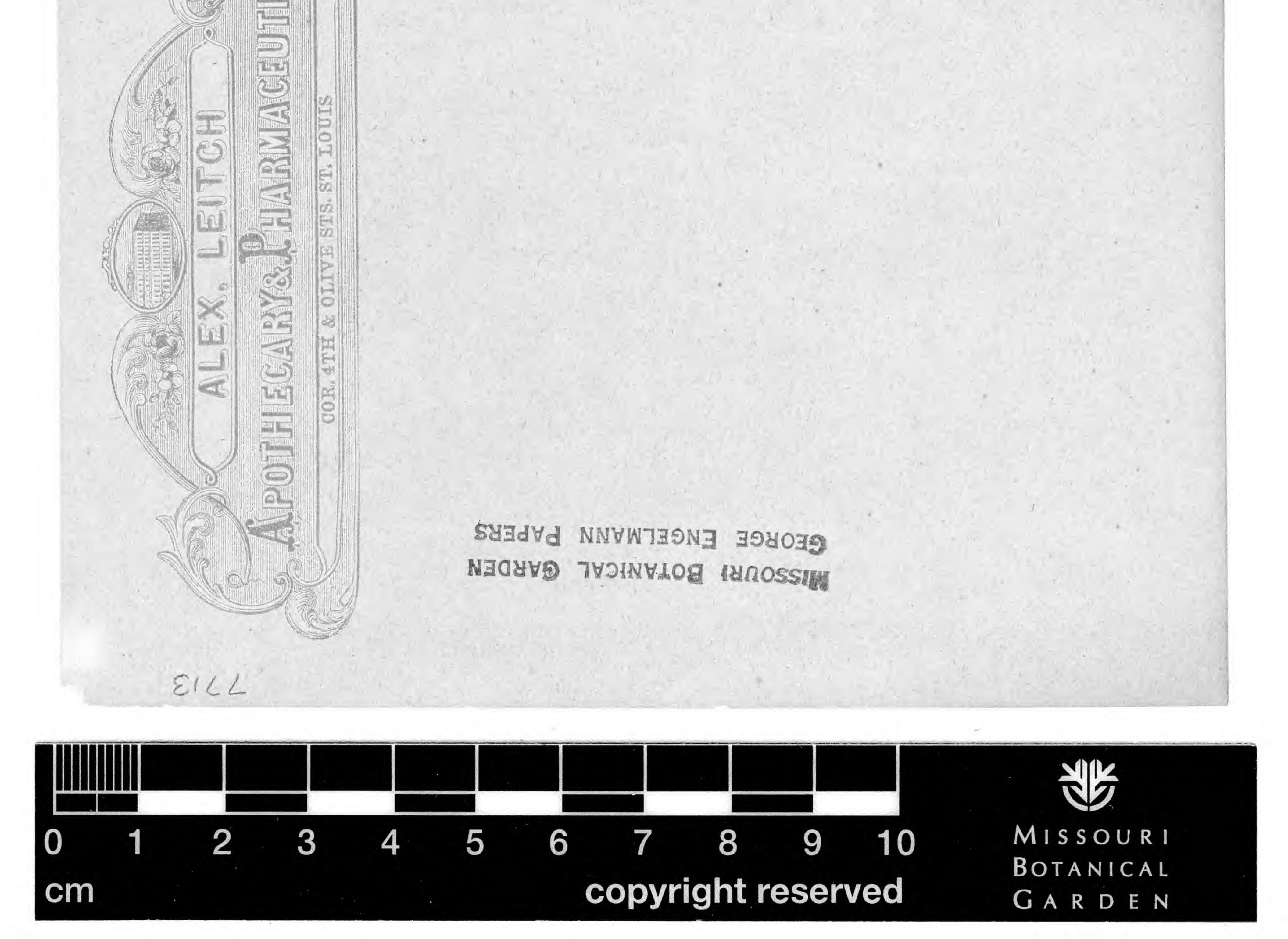
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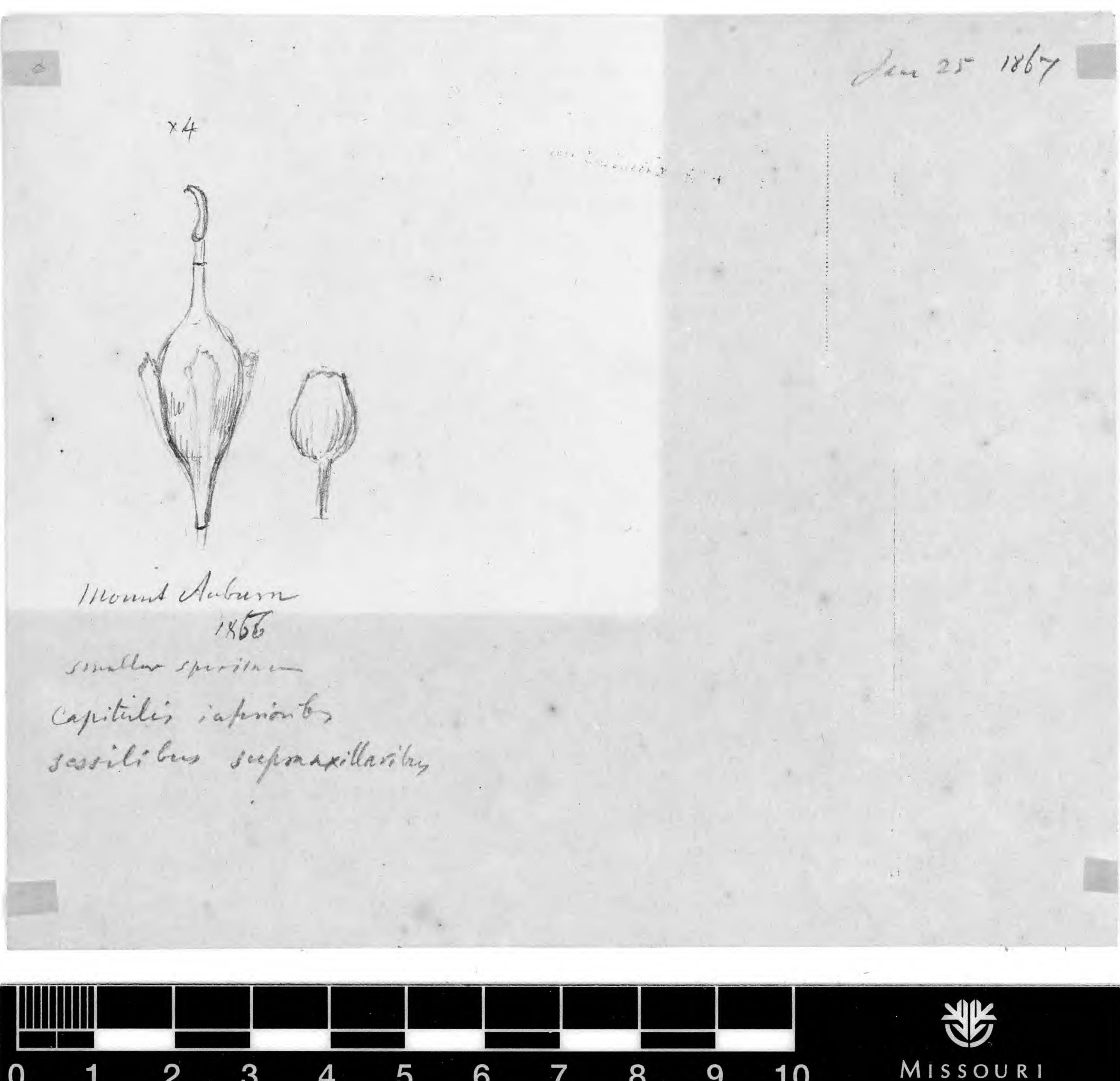
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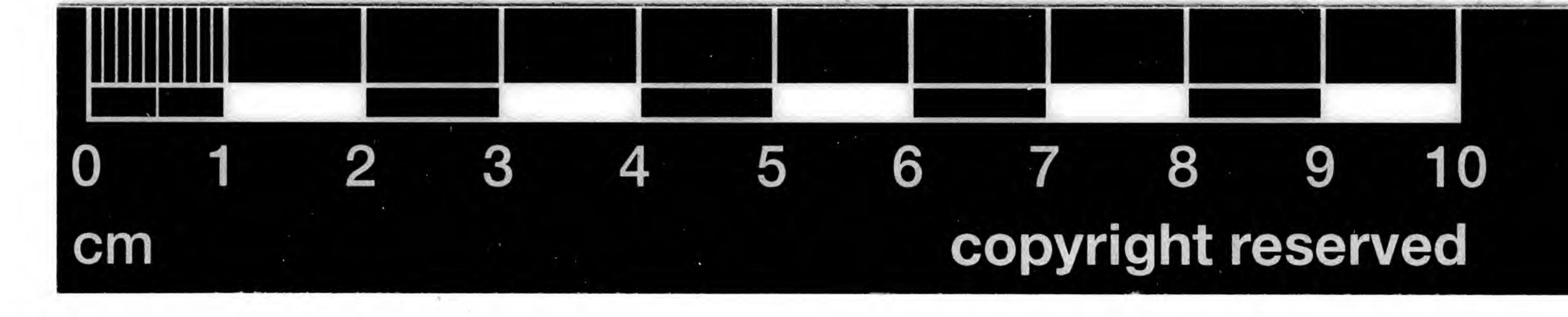


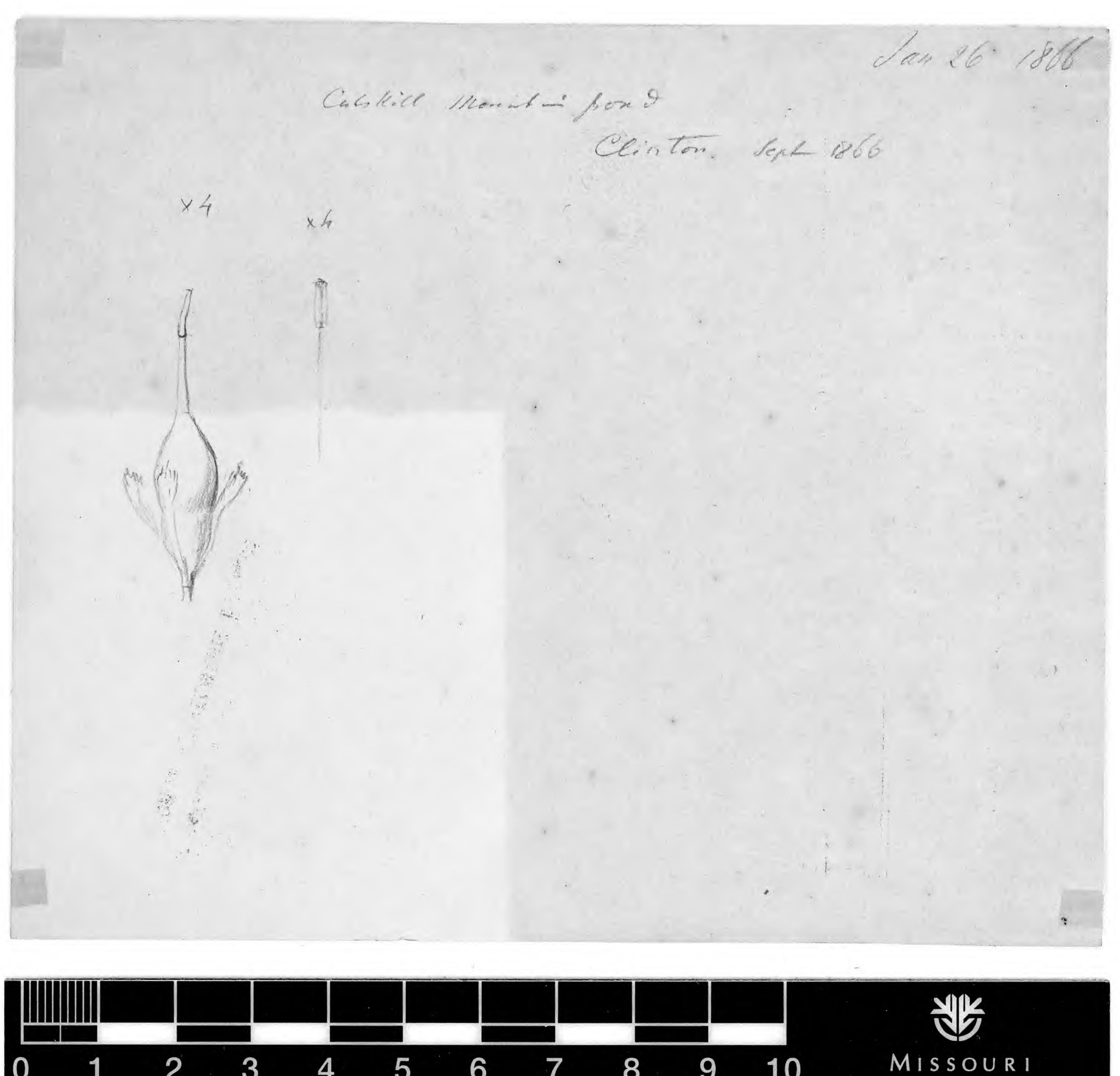
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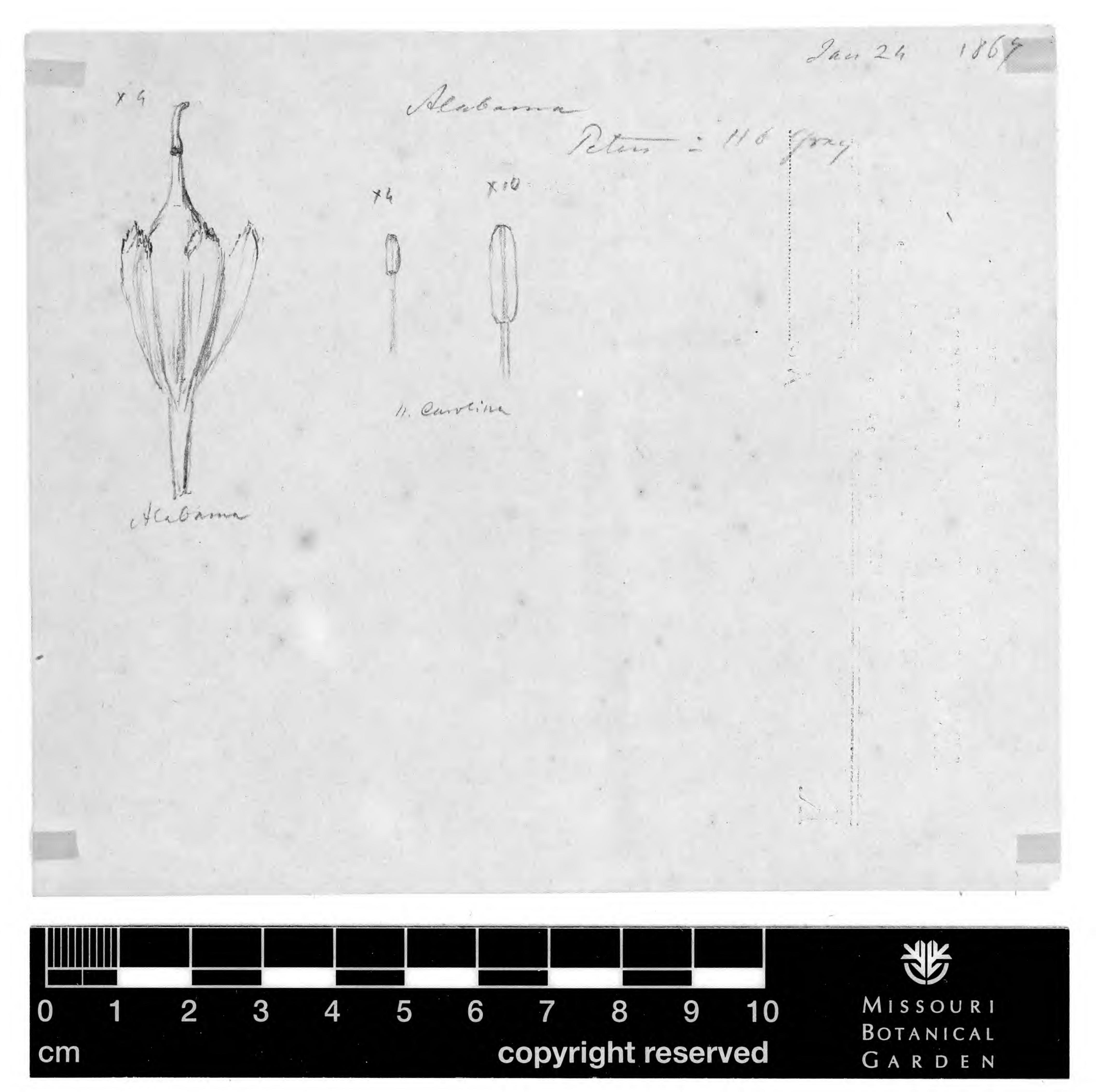
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